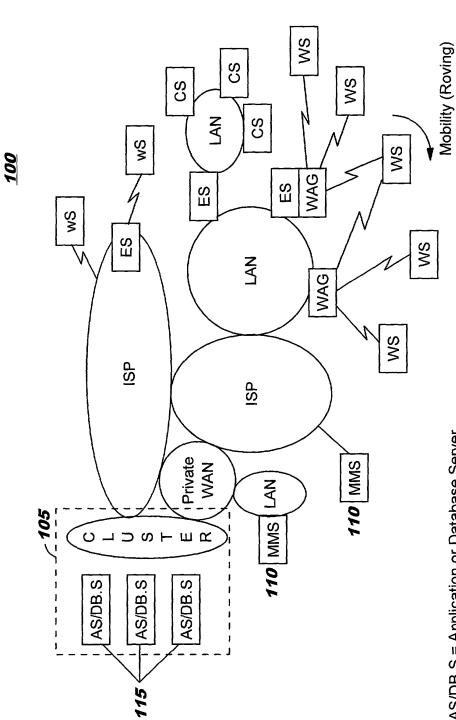
FIG. 1



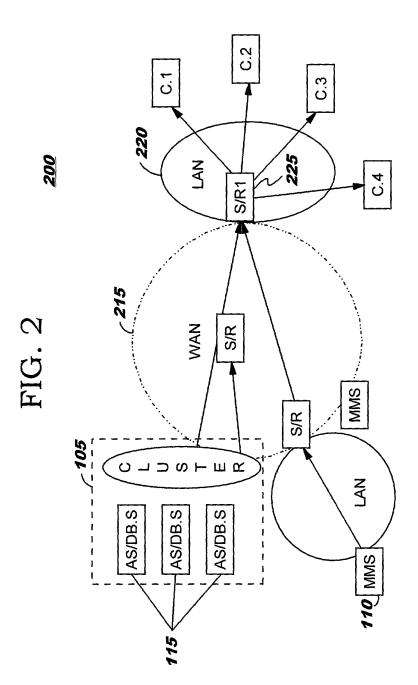
AS/DB.S = Application or Database Server

ES = Edge Server

MMS = Multimedia Server

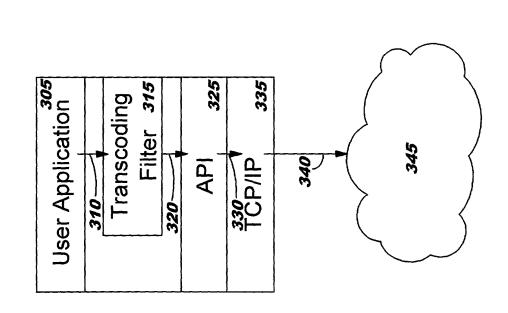
WAG = Wireless Application Gateway

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AS/DB.S = Application Server or Database Server S/R = Switch/Router MMS = Multimedia Server

FIG. 3A (Prior Art)

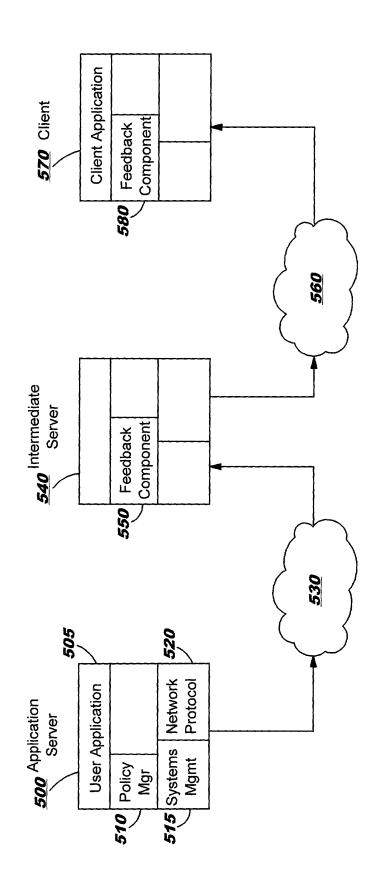


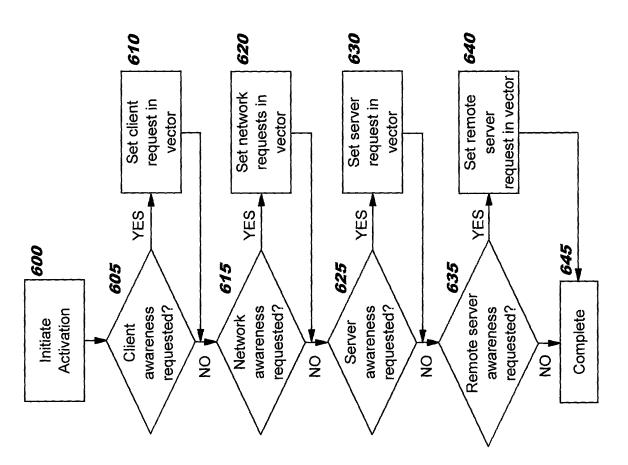
User Application 370 335 325 Data Path 382 345 375 TCP/IP API 375 Policy Mgr 365 380 355 3606 360a-

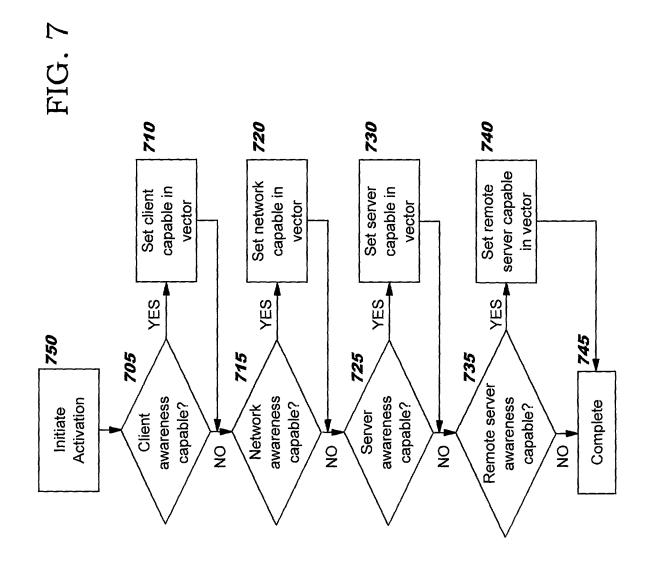
FIG. 3B

Azo System System System Network Agolication Agolication

FIG. 5

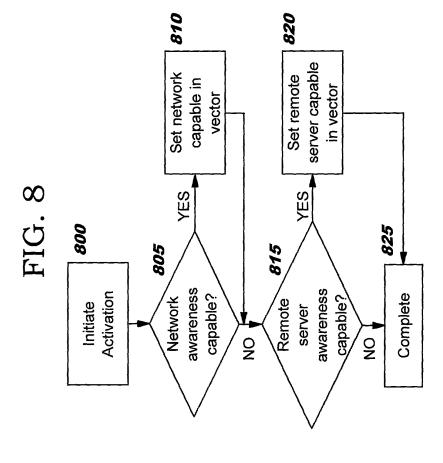


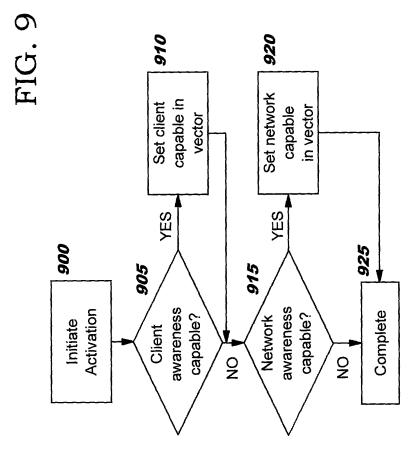




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Roy F Brabson, et al

Dynamic Modification of Application Bearior in Response to Changing Conditions
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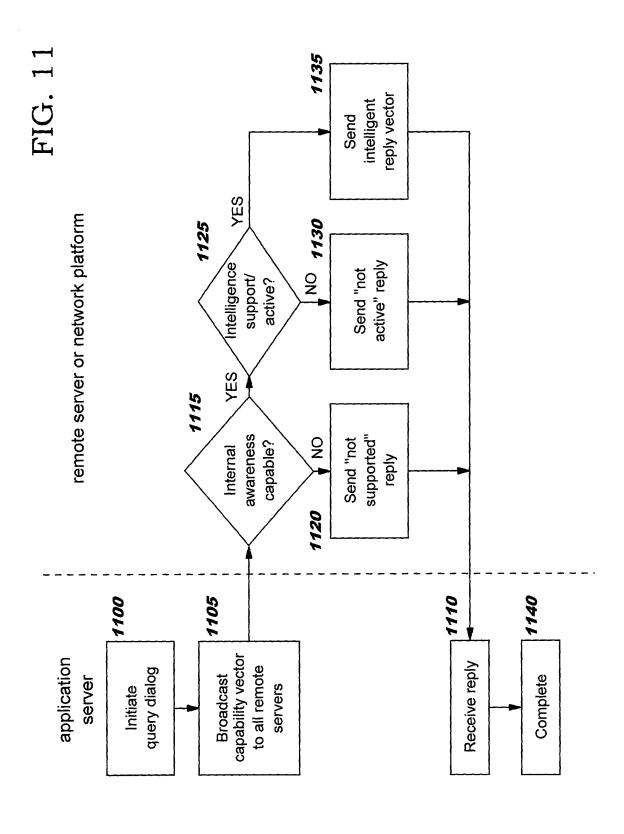
į.i.

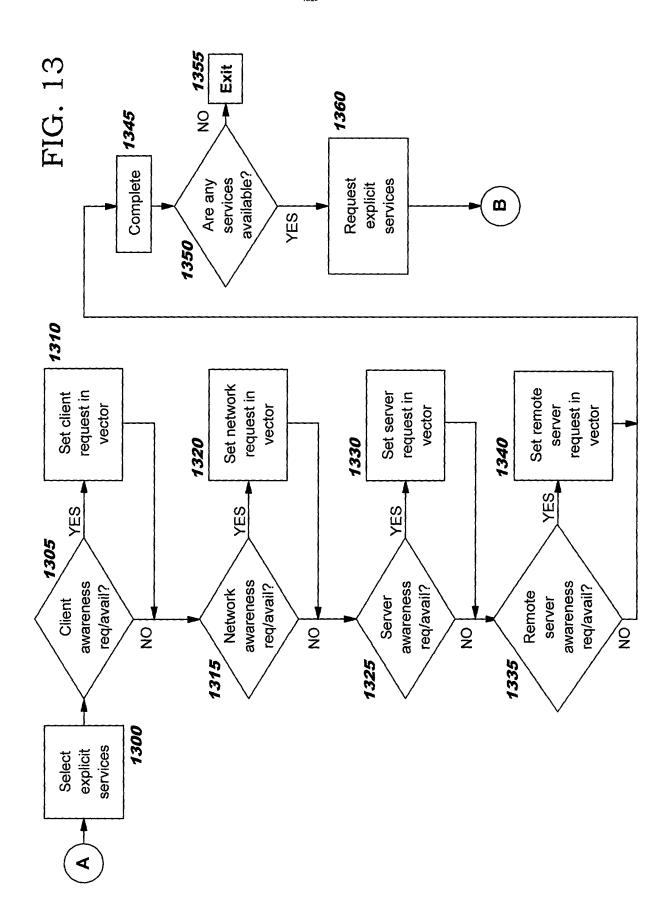
Annual Control of the Control of the

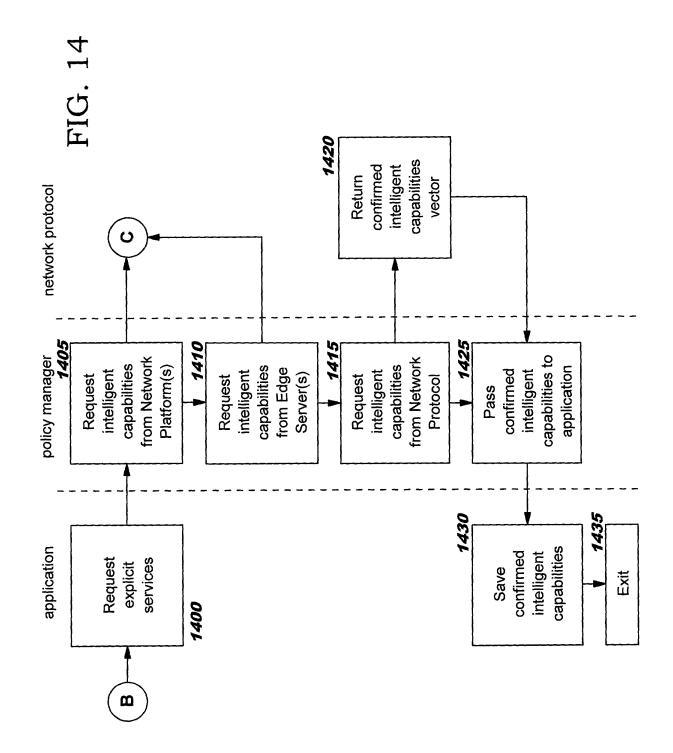
RSW920010159US1 Roy F Brabson, et all Dynamic Modification of Application Behavior in Response to Changing Conditions 10/25

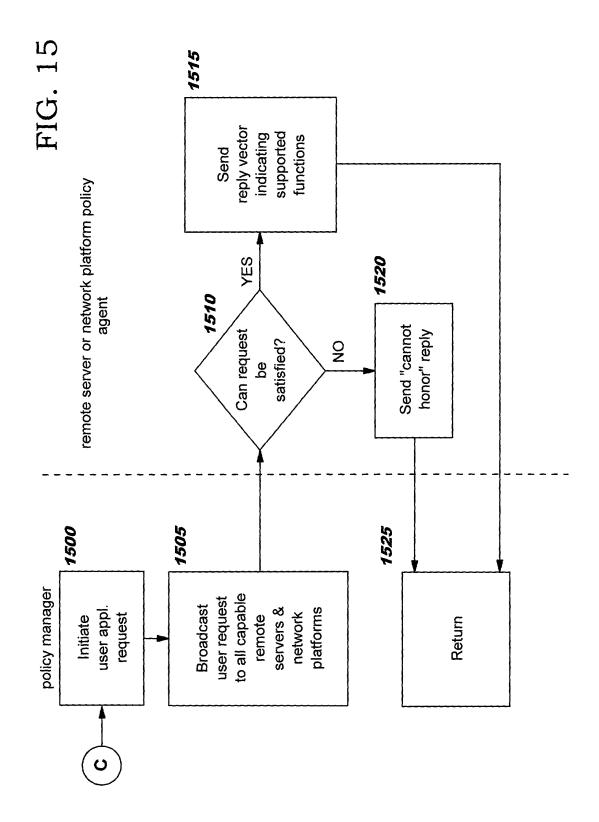
1010 1030 1020 server capable aware capable Set intelligent Set external Set internal capable in vector in vector in vector network YES YES YES 1000 1035 1015 1005 1025 awareness awareness Activation Intelligent protocol capable? capable? Complete capable? External network Initiate Internal 9 9 9

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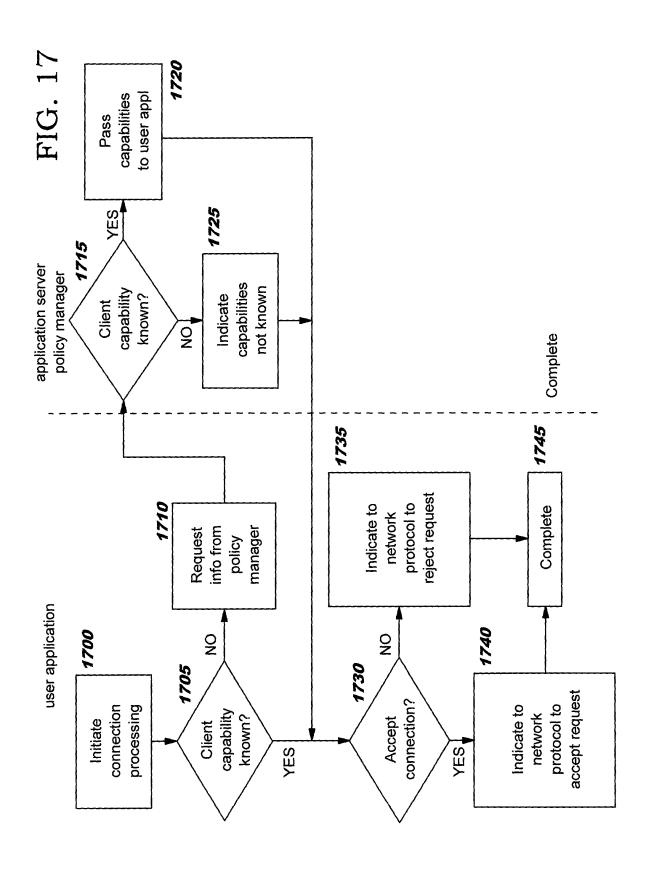


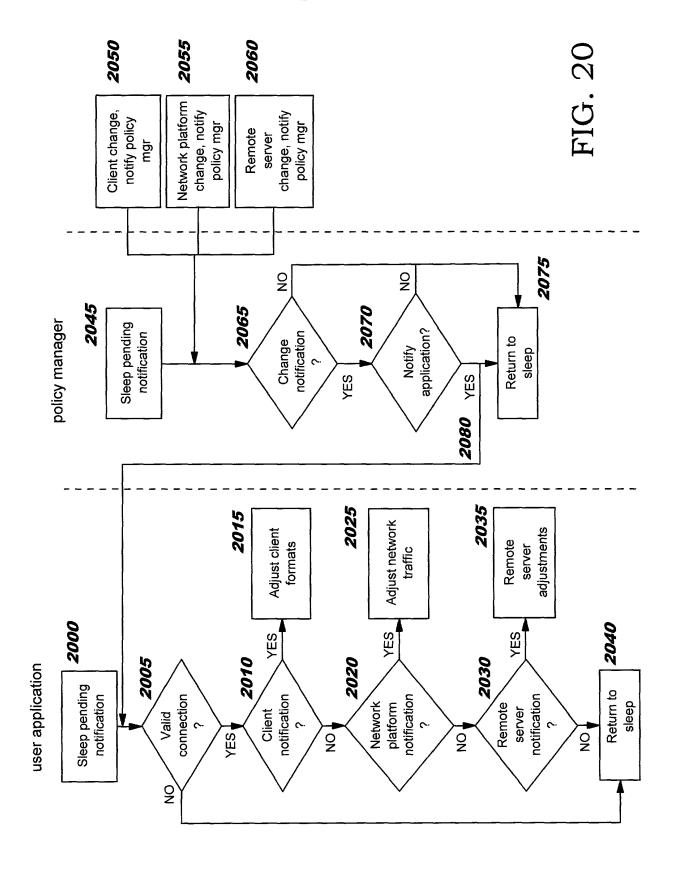




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<u>2100</u>

	Functional Area	Field	Description
2110	Client		
	Field-1	Available	Indicates system support status, e.g. yes/no
	Field-2	Requested	Indicates whether another entity requested the function
	Field-3	Options	Examples: levels of congestion, device class supported, QoS required, etc.
2120	Network Platform		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-2	Options	Examples: levels of congestion supported, type of network (LAN/WAN)
2130	Remote Server		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, storage constraints, processor constraints
2140	Network Protocol		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, system constraints, buffer constraints, active connection limit
<i>2150</i>	System		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, system storage constraints, processing constraints

<u> 2200</u>

	Functional	Field	Description
	Area		
2210	System Identifier		
2211	Field-1	System type	Network platform, remote server, etc.
2212	Field-2	Identifier type	Name, address, etc.
2213	Field-3	System identifier	Actual identifier
2220	Client		
	Field-1	Available	Indicates system support status, e.g. yes/no
	Field-2	Requested	Indicates whether another entity requested the function
	Field-3	Options	Examples: levels of congestion, device class supported, QoS required, etc.
2230	Network		
ZZ3U	Platform		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-2	Options	Examples: levels of congestion supported, type of network (LAN/WAN)
2240	Remote Server		(<u> </u>
ZZ-TU	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, storage
		Op	constraints, processor constraints
2250	Network		
ZZJU	Protocol		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, system
			constraints, buffer constraints, active connection limit
<i>2260</i>	System		
	Field-1	Available	Same as client
	Field-2	Requested	Same as client
	Field-3	Options	Examples: levels of congestion, system
			storage constraints, processing constraints

<u>2300</u>

	Functional	Field	Description
	Area		_
2310	System Identifier		
	Field-1	System type	Network platform, application server, etc.
	Field-2	Identifier type	Name, address, etc.
	Field-3	System identifier	Actual system identifier
2320	Application Identifier		
	Field-1	Туре	Type of identifier: name, address, etc.
	Field-2	Identifier	Actual identifier
<i>2330</i>	Client		
	Field-1	Return code	Success or failure
2332	Field-2	Requested	Indicates whether another entity requested the function
	Field-3	Options/returns	Mask indicating options supported
2340	Network		
	Platform		
2341	Field-1	Return code	Success or failure
2342	Field-2	Requested	Same as client
<i>2343</i>	Field-2	Options/returns	Mask indicating options supported
<i>2350</i>	Remote Server		
<i>2351</i>	Field-1	Return code	Success or failure
<i>2352</i>	Field-2	Requested	Same as client
<i>2353</i>	Field-3	Options/returns	Mask indicating options supported
0000	Network		
2360	Protocol	D () ()	
2361	Field-1	Return code	Success or failure
2362	Field-2	Requested	Same as client
<i>2363</i>	Field-3	Options/returns	Mask indicating options supported
<i>2370</i>	System	D-t	
0050	Field-1	Return code	Success or failure
2372	Field-2	Requested	Same as client
	Field-3	Options/returns	Mask indicating options supported

<u> 2400</u>

	Functional Area	Field	Description
2410	System Identifier		
2410	Field-1	System type	Network platform, remote server, etc.
[]	Field-2	Identifier type	Name, address, etc.
\	Field-3	Identifier	Actual identifier
2420	Application Identifier(s)		May be more than one
7	Field-4	Туре	Type of identifier: name, address, etc.
()	Field-5	Identifier	Actual identifier
	Congestion		
2430	Field-6	Level	Value indicating new congestion level
	Optional codes		
\	Field-7	Number	Number of optional codes included
2440	Field-8	Total length	Total length of all codes including this header
/	Field-9	First code	Optional code identifier
{	Field-10	Length	Length of this code
\	Field-11	Code	Actual code

